CONCORD Easy Too User's Guide



www.concordcam.com

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IMPORTANT INFORMATION

FCC Statement

This device complies with part 15 the FCC Rules. Operation is subject to the following two conditions: (i) This device may not cause harmful interference, and (ii) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada:

CAUTION

This class B digital apparatus complies with Canadian ICES-003.

PRECAUTIONS

Test Shots

Always take a test photograph to check that the camera is functioning normally. The liability for any incidental losses (such as the cost of photography or the loss of income from photography) incurred as a result of fault with this product cannot be accepted.

Notes on Copyright

Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner unless intended only for personal use. Note that some restrictions apply to photographing stage performances, entertainment and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

Liquid Crystal

If the LCD monitor or LCD panel is damaged, take particular care with the liquid crystal in the monitor or panel. If any of the following situations arise, take the action indicated.

- If the liquid crystal comes in contact with your skin wipe the area with a cloth and then thoroughly wash with water and soap.
- If the liquid crystal gets into your eyes flush the eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed, flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Seek medical assistance.

Notes on Electrical Interference

If the camera is used in hospital or aircrafts, please note that it may cause interference with other equipment in the hospital or aircraft.

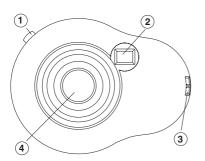
For details, please check with the applicable regulation in that area.

Trademark Information

MS-DOS and Windows are registered trademarks of the Microsoft Corporation registered in the USA and other countries. Windows is an abbreviated term referring to the Microsoft Windows Operation System. Other company or product names are trademarks or registered trademarks of their respective companies.

1. Product overview

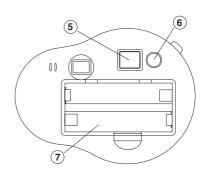
FRONT



- 1. Shutter Button
- 2. Viewfinder
- 3. Strap eyelet
- 4. Lens

BACK

- 5. LCD display
- 6. Feature button
- 7. Battery Compartment



Getting started

Congratulations on your purchase of the Concord Eye-Q Easy Too digital camera. This camera features 8 MB of internal SD RAM memory allowing you to store still images or short video clips in the camera. Please read this manual before operating the camera to become more familiar with the features of this versatile digital camera.

Minimum system requirement

Operating System	Windows 98SE, 2000 Professional, Me and Xp
CPU	Pentium 233MHz or higher
RAM	32MB RAM or higher
Accessory	USB port
Hard Disk Space	200MB free hard disk space

Note: Connect the PC and the digital camera using the USB cable that is provided. Connecting via a USB hub or interface board is not guaranteed. Home-made PCs may not work properly.

Camera Features

- · Capable of recording images at VGA or CIF resolutions
- Auto exposure and auto white balance functions
- 8 MB internal memory
- USB connection

Package Contents:

a) USB cable

- d) Web-stand
- b) CD software
- e) User Manual

c) Neck-strap

Important battery information

The Eye-Q Easy Too camera uses a type of memory that continually draws power to retain the pictures in the camera's internal memory even if the camera is powered off. If the battery power is depleted and you have not transferred your images to the computer, you will lose them. It is strongly recommended that you transfer your images to the computer promptly and then remove the batteries to extend their life.

If you have not transferred your pictures to your computer and you receive a battery low warning, immediately connect your camera to the computer via USB. While connected to the PC you can change the batteries and transfer the images. If you attempt to change the batteries before connecting to the PC, you will lose all files stored in the camera.

Always use fresh batteries to optimize the performance of your camera.

Do not use rechargeable batteries.

Turning the camera on and off and learning the LCD display

Turn the camera on by pressing the Feature Button once. Two beeping sounds will be heard. Press the Feature Button to cycle through the Feature Modes. To exit the Feature Mode, continue to press the Feature button until the LCD displays a number or wait 5 seconds without pressing any buttons.

	oF	(Switch off the camera)	
\rightarrow	St	(Self-timer)	
\rightarrow	d8	(Continuous mode for taking video clips)	
\rightarrow	CA	(Clear all images)	
\rightarrow	CL	(Clear last image)	
\rightarrow	Lo/HI	(Change from High to Low resolution / from Low to High resolution)	
\rightarrow	50/60	(Filter Light Frequency)	
\rightarrow	Ld/Hd	(Take photo in low density/high density mode)	

Notes: After 30 seconds of inactivity, the camera will switch to standby mode. The LCD will go blank. All images taken will be stored in the camera's memory and the camera's settings will revert to the default settings.

Selecting the power supply

To extend the battery life, remove the batteries from the camera when it is not in use. Remember to transfer your pictures to your computer first or you will lose them.

Note:

- Do not use different types of batteries together.
- Soiling, such as fingerprints on the battery terminals, can significantly reduce the battery life.
- Do not use new and used batteries together. Different brands of batteries will yield different results.
- The battery life of alkaline batteries may be shortened when exposed to temperatures of 10°C or below.
- Always turn the camera off when replacing the batteries. If the camera is left on, the camera's settings may revert to the default settings.
- After 30 seconds of inactivity the camera will switch to standby mode automatically. The LCD will not be illuminated and all images will be stored in the camera's memory.
- You may lose images stored in the camera if the battery power is insufficient.
- Do not use rechargeable batteries.

Inserting the batteries

- Open the Battery Compartment and insert 2 x AAA batteries. When inserting the batteries, make sure that you follow the polarity direction (+) (-), which is indicated in the battery compartment.
- 2. Press down on the battery cover to lock the battery door.
- 3. Please make sure you have downloaded all pictures before replacing your batteries.

2. Taking Pictures

Press the shutter button once to take a picture. A high-pitched beeping sound will indicate that the picture was taken and the counter displayed on the LCD will decrease showing the number of images left. Note: A lowpitched beeping sound indicates that the image has not been taken. This is probably due to low light intensity. Please adjust the lighting and retake the image. A series of beeps indicates that the camera's memory is insufficient to take another image. In order to take additional pictures, you must transfer or upload your images to the PC



Incorrect position



Correct position

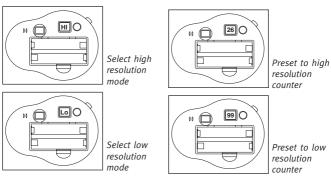
Note: Ensure that your fingers or the strap do not obscure the lens. Check that the lens is clean. If it is dirty, clean the lens as described in the Cleaning and maintenance section.

Note: It is strongly recommended that you transfer your images to the computer promptly and then remove the batteries to extend their life.

If you have not transferred your pictures to your computer and you receive a battery low warning, immediately connect your camera to the computer via USB. While connected to the PC you can change the batteries and transfer the images. If you attempt to change the batteries before connecting to the PC, you will lose all files stored in the camera.

Changing the resolution

To change the resolution, press the Feature Button until the resolution option is displayed in the LCD. The resolution is noted by HI for high resolution and Lo for Low resolution. When the resolution you are currently in appears in the LCD, press the shutter button to change to the other resolution option. The picture resolution can be changed at any time and the camera can store both high and low resolution images at the same time.



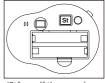
Resolution chart

	Resolution	Picture stored
HI	640 x 480	26
Lo	320 X 240	107

Note: In Lo resolution mode, the camera can store up to 107 pictures, but the counter will start counting down from 99.

Self-Timer

Press the Feature Button until 'St' appears in the LCD. Press the Shutter button to start a 10-second self-timer count down. The camera will issue a series of short beeps followed by a long beep. When the image has been captured, the camera will beep again.

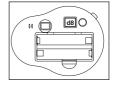


'St" – self-timer mode

Note: A high tone beep indicates that the picture was captured while a low tone beep indicates that there is insufficient lighting and the picture was not taken.

Video Clips

Press the Feature Button until 'd8' appears in the LCD. Press and hold the shutter button to record video clips. The camera will record video clips as long as the shutter button is pressed or until the memory is full.



Note: The camera is designed to record video clips regardless of the lighting conditions. Pay special attention to the light conditions while in this mode to optimize image quality.

Changing the Lighting Hz

Different countries use different lighting frequencies. The US uses a 60Hz frequency while Europe uses a 50Hz frequency. The Easy Too camera gives you the option to switch the Hz frequency as you travel. To change the frequency, press the Feature Button until the frequency option denoted by either 50 or 60 is displayed in the LCD. Press the shutter button to change the frequency from the number displayed in the LCD to the other frequency option.

High Density mode (Hd)

Press the Feature Button until 'Hd' appears in the LCD. Press the shutter button one more time to change to the high density mode. In the high density mode, the number of pictures that you can take will be doubled in both Hr/Lr resolution.

To switch back to the normal (low density) mode, press the Feature Button until 'Ld' appears in the LCD. Press the shutter button again to change back to normal mode.

High/low density chart

	Resolution	Picture stored
HI/Ld	640 x 480	26
HI/Hd	640 x 480	52
Lo/Ld	320 X 240	107
Lo/Hd	320 X 240	209

Note: The counter will start from 99 pictures while in the low resolution mode even though the camera can store more pictures. Please see the chart above for more details.

Delete Funtion

Press the Feature Button until either CA or CL appears in the LCD.

- CA stands for clear all and is used to delete all images.
- CL stands for clear last and is used to delete the last image.

To delete the last image taken, press the shutter button once after CL appears in the LCD. To delete All Images, press the Feature Button until CA appears in the LCD. Press the shutter button to confirm your selection and again when CA flashes in the LCD.

3. Installing the Camera driver

Installing the software on a Windows PC

The following software will be installed in the installation sequence:

Arcsoft PhotoImpression 3

- Concord EyeQ Easy too setup is preparing the installshield wizard which guide you though the rest of the setup process, click "cancel" if you want to quit.
- After the preparation completed, you can click " next" to start the software installation. Otherwise, click " cancel" if you want to quit.

The second secon

Arcsoft PhotoImpression 3

- Select the language of PhotoImpression installation and then press "OK" to confirm. Also, this language will be preset to the PhotoImpression 3 software.
- PhotoImpression setup is preparing the installshield wizard which guide you though the rest of the setup process, click "cancel" if you want to quit.
- Installshield wizard which install PhotoImpression to your hard disk. To continue, click "next". Otherwise, click "cancel" to quit.









- Please read the license agreement carefully and then press "yes" to accept the agreement and continue the installation or press "No" to reject it and quit.
- Select the folder which locate the PhotoImpression. Installshield winzard will preset the default location but you can select the other one. Press "next" to continue, otherwise, press "cancel" to quit.
- Select the component you want to install, clear the component you do not want to install. Installshield will show the available capacity of your hard disk and the require capacity of the software.





Setup will add program icon to the program folder list. You may type a new folder name, or select one from the existing folder. Press "next" to continue to next process.



8. PhotoImpression setup is performing the request operation. Finally, press "Finish" to complete the installation.





Install the Camera driver - Concord EyeQ Easy Too

The Concord EyeQ Easy Too driver will install immediately after the Concord EyeQ Easy Too software installation complete.

 Press "next" to start the driver installation and then the files will transfer to hard disk automatically.



Select the language of driver installation and then press "OK" to confirm.



The installation will be completed after the file transaction.





 After the driver installation is completed, you must restart your PC to activate the camera driver. Select yes and click "OK" then your PC will restart immediately.



After the PC restart, plug in your camera with the USB cable. New hardware will be detected and all drivers will be installed automatically.

Note: If you had installed the driver already, then you can choose modify the driver, repair the driver or remove the driver when you start the driver installation again.

Connecting the camera to your PC

When you finish taking pictures, you can connect your camera to your PC and upload your images through the USB cable supplied. Plug one end of the USB cable into your camera and the other end into the USB port of your PC (located either at the back your PC or in the front panel).

When the camera is connected, you will hear a beeping sound from the camera indicating that the PC is supplying power to the camera. The image counter will appear on the LCD.

Uploading your pictures to your PC

- 1. Make sure that your camera is securely connected to your PC.
- 2. Launch the Arcsoft application.
 - Click Get Photos and select "Camera/Scanner".
 - Pull down the "Select Source" manual and a list of devices will be displayed. Select "Dual-mode DSC (2770)" and click the "Camera/Scanner" button to upload all picture from the twain driver.

Uploading your video clips to your PC

- Open "My DSC" application program in windows start program menu.
- 2. Press the "download file" button.
- 3. Select download all pictures or some pictures.
- 4. Highlight the "AVI" clip you want.
- 5. Press "save photo" button.
- 6. Set the frame rate.
- 7. Create the file name.
- 8. Press the "Save" button.

Note: Fame rate means how many pictures will be shown per second. It will affect the movie clip length.

Video conference mode

The Eye-Q Easy Too can be used as a web cam with different videoconference and video capturing software available in the market. Select the source in the video application to launch the video mode. Please consult your own video software guide for more details on selecting the video source.

You can also capture pictures through a video streaming screen by using Photoimpression 3.

- · Launch PhotoImpression.
- Click Get Photos and select "Camera/Scanner."
- Select "Dual-mode DSC (2770)"
- Click " 🖣 "
- Select "Live" to show the live video.

Uninstalling the software on a Windows PC

The User can automatically uninstall the software using the "Add/Remove Program" in the Control Panel.

Note: Use this procedure only when the installed software is no longer required or when the software installation fails.

Procedure:

- 1. Switch on your PC and start up Windows.
- Open the "My Computer" windows and double-click on "Add/Remove Programs" in the Control Panel.
- Select the application to be uninstalled.
 The "Add/Remove Programs Properties" windows appears. Select the program to be deleted, PhotoImpression and click the "Add/Remove" button.
- 4. Select the uninstall method.
- 5. The user can choose "Automatic " to uninstall the whole software or choose "Custom" to uninstall part of the software. Press "Next" to begin. If you choose "Custom," you need to select the files, directory and registry key to be uninstalled and then press "Finish" to begin the uninstallation.

Uninstalling the driver on a Windows PC

User can automatically uninstall the driver using "Device Manager" in the Control Panel.

Note: Use this procedure only when the digital camera is no longer required or when the driver installation fails.

Procedure:

- 1. Connect the digital camera to your PC.
- 2. Switch on your PC and start up Windows.
- Open the "My Computer" windows and double-click "System" in the Control Panel.
- 4. Open the "Device Manager" page and then select "Imaging device."
- Select the "Dual mode DSC (2770) " under the "Imaging device and then press "remove"

Important: If the camera is not connected properly, "Imaging Device" will appear. Check the connection and make the necessary adjustments if this message appears.

4. Cleaning and maintenance

Be sure to read this information to ensure that you use your camera correctly.

Places to Avoid

Do not store or use the camera in the following places or locations:

- Very humid, dirty or dusty places.
- In direct sunlight or in places subject to extreme increases in temperature such as in a closed car during summer.
- Extremely cold places.
- Places subject to strong vibrations.
- · Places affected by smoke or steam.
- Places subject to strong magnetic fields (such as near motors, transformers or magnets.)
- Keep away from contact with chemicals such as pesticides or next to rubber or vinyl products.
- Do not expose the camera to sand. In sandy locations such as beaches or deserts, or in locations where there is wind borne sand, ensure that the camera is not exposed to sand. This can cause irreparable damage.

Storing the camera

If you do not intend to use the camera for a long period of time, remove the batteries before storing the camera.

Cleaning your Camera

Use a blower brush to remove dust from the lens and LCD surface and then wipe lightly with a soft, dry cloth. If any soiling remains, apply a small amount of lens cleaning liquid to a piece of lens cleaning paper and wipe gently. Do not scratch hard objects against the lens, LCD screen or viewfinder as these surfaces are easily damaged. Clean the body of the camera with a soft dry cloth. Do not use volatile substances such as thinners, benzine or insecticide as these may react with the camera's body and cause deformaties or remove the coating.

When traveling overseas

Do not place your camera in the check-in baggage. Baggage handling at airports may subject the camera to violent shocks and the camera may be damaged internally even when no external damage is visible.

5. Troubleshooting

The troubleshooting guide is designed to help you. If problems continue, please contact your local customer support hot-line. For Windows® User:

SYMPTOM	PROBLEM	SOLUTION
All the images I have taken do not	You have lost power to your CONCORD EYE-Q EASY Too by either:	
appear.	Insufficient battery power.	Upload all images to your PC as soon as possible. Refer to Battery Guidance section in the User's Manual.
	The battery was removed before the camera was connected to the PC.	To retain the images in the camera's memory while changing the batteries, you must first connect the camera to a PC via the USB cable. The USB will supply power to the camera making it safe to change the batteries.
I cannot upload images to the PC.	Connection failure.	Check to make sure all cable connections are secure.

SYMPTOM	PROBLEM	SOLUTION
My CD installation wizard does not work.	The auto installation file is switched to off or the CD ROM is not in the drive.	Go to the computer desktop. Right click on "My Computer." Click on "Properties." Select "Device Manager" and double click on "CD-Rom." Double click on "CD-R." Click on "Setting." Ensure "Auto insert notification" is checked and the "disconnect" is selected. If you change the settings the computer will ask you to restart your PC. Click "Yes."
The image counter on the LCD flashed after I took my last image.	The camera is processing the image.	Wait for the LCD to stop flashing and then take your next image. You may need to wait a further 20 seconds before taking the next image.
I get a blurred image when uploading my images to my computer.	There may be a momentary delay between pressing the Shutter button and the actual exposure.	Hold the camera steady until you hear a "beep" which indicates the exposure is completed.
I press the shutter button and get no response.	The camera allows 3 continuous images to be taken.	Wait for this process to complete.

6. Getting Help

If you need help with your camera, refer to the Troubleshooting section of this manual. If you still cannot find the solution, visit our Web site at **www.support.concordcam.com.** Most support issues are answered in the Frequently Asked Questions (FAQ) section.

Toll Free in the US and Canada:

• (866) 522-6372

Toll Free in Europe:

UK: 0800-1696482
 Germany: 0800-1800563
 Spain: 900-973195
 Italy: 800-781883

• France: 0800-917599

Toll:

• 31-53-4829779

For Software Technical Support, please contact:

In the USA and Canada:

ArcSoft, Inc. 46601 Fremont Blvd. Fremont, CA 94538 Monday – Friday 8:30AM - 5:30PM (PST)

Tel: (510) 440-9901 Fax: (510) 440-1270

E-mail: support@arcsoft.com

Web: www.arcsoft.com

In Europe:

Fstate

Arcsoft, Inc. Unit, Shannon Industrial

Shannon, Co. Clare, Ireland

Tel: +353 (o) 61 702087 Fax: +353 (o) 61 702001

E-mail: europe@arcsoft.com

7. Camera Specifications

640 x 480 CMOS sensor Image sensor

Image resolution Still picture : High: 640 x 480 pixels

Low: 320 x 240 pixels

Movie : 320 x 240 pixels

Internal memory 8 MB SDRAM

Storable frame High mode: 26 Images Low mode: 107 Images

High Density / 52 Images

High Resolution

High Denisty/ 209 Images

Low Resolution

Movie: 104 frames (approximately 8 seconds)

Not Available

Video frame rate 5 frames per second in VGA mode

Exposure Auto exposure

Optical viewfinder Built-in with reverse Galilean filter

Lens 3 elements aspheric hybrid lens with IR filter glass

Focus range 1.5 m - infinity

Audio recording

Nο File format Still picture: BMP file Video: AVI file

PC:

Self-timer Electronic self-timer with 10 second delay

Delete pictures method

Camera: Delete last / Delete all

Output connector **IISB**

Zoom rate Not Available

Camera Specifications

LCD display Show image counter Off mode Self timer mode Video mode

Delete all mode Delete last mode

Change resolution (Hr/Lr) Select frequency (50Hz / 60Hz)

High density mode (Hd/Ld)

Beeper Yes

Auto power-off Stand by mode (After 20 seconds inactivity)

Low battery warning /indicator

LCD display will flash

Power supply 2 x AAA alkaline battery

Back up power No

Dimension 79.12mm (L) x 59.8mm (H) x 26.17mm (D)

Weight 54.2 g (without battery)

Bundled USB Cable cablcable CD ROM software accessories 2 x AAA alkaline battery, Web Stand

Software bundle Photoimpression 3.0 with driver

Viewfinder range % 60 % of actual target

8. Warranty Information

LIMITED WARRANTY

The manufacturer warrants your Concord Eye-Q Easy Too camera for a period of 1 year from the date of purchase to be free from defects in material and workmanship. The warranty period shall be extended accordingly if applicable mandatory legislation in effect on the date of purchase requires a longer warranty period. The manufacturer, at its option, will repair or replace or have repaired or replaced, at a location selected by the manufacturer, each product which is proven to the satisfaction of the manufacturer to be defective in material or workmanship. This warranty shall be limited to the camera for defects which were not caused by misuse, abuse, improper handling, tampering or attempts to repair by the owner or any unauthorized repair service or repair man. This warranty is limited solely to the above and applies only for the period set forth. We will not be liable for any loss or damage, incidental or consequential of any kind, whether based on warranty, contract or negligence arising in connection with the sale, use or repair of the product. Our maximum liability shall not in any case exceed the sale price. This warranty is for the benefit of the original purchaser only. This warranty gives you specific legal rights and may vary from jurisdiction to jurisdiction. The manufacturer makes no representation or warranties with regard to the contents of the User's Guide and Quick Start Guide. Non-Concord brand equipment and software and the Concord Eve-O Easy Too TWAIN driver distributed with your Concord Eve-O Easy Too camera are sold "as is" and without warranty of any kind from Concord. including any implied warranty regarding merchantability, fitness for a particular purpose, and non-infringement of third party rights, and all such warranties are disclaimed. The sole warranty, if any, for non-Concord branded items, if any, is given by the manufacturer or producer thereof.

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Technical Support Hot Line:

Toll Free In the USA & Canada 1-866-522-6372

Toll Free In Europe

UK: 0800-169-6482

BELGIUM: 0800-787-57

FRANCE: 0800-917-599

GERMANY: 0800-1800-563

SPAIN: 900-973-195

ITALY: 800-781-883

All Other Countries - Toll

31-53-482-9779